

VERSION WITH MARKINGS TO SHOW CHANGES MADE (CLAIMS)

1. (amended) A method for treatment of neurodegenerative conditions and effects of aging, including autoimmune conditions and fibromyalgia, said method comprising the steps of:

administering to a patient a compound effective for increasing neuronal metabolism of histamine to a histamine H₂ agonist, in an amount sufficient that said histamine H₂ agonist is produced in an amount adequate to stimulate production of cyclic AMP at a level which maintains myelin against undergoing self-degeneration[.];

the step of administering said compound comprising administering histamine N-methyltransferase to said patient so as to increase neuronal metabolism of histamine to tele-methylhistamine.

4. (amended) The method of claim [3]1, wherein the step of administering histamine N-methyltransferase comprises:

administering isolated histamine N-methyltransferase by injection.